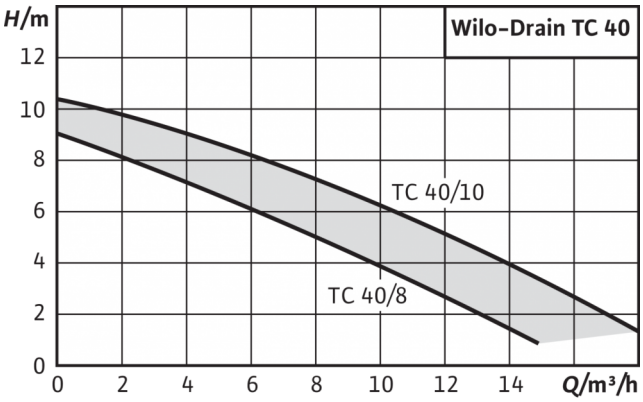
Series description: Wilo-Drain TC 40

Wilo-Drain TC 40

Similar to figure

Wilo-Drain TC 40



Design type

Submersible sewage pump for intermittent operation for stationary and portable wet well installation.

Application

Pumping of

- Sewage not containing faeces
- Wastewater

Equipment/function

- Ready-to-plug
- Including float switch
- Thermal motor monitoring

Scope of delivery

- Pump ready for connection with 5 m connection cable and shockproof plug
- With attached float switch
- Installation and operating instructions

Type key

E.g.:	**Wilo-Drain TC 40/10**
T	Submersible pump
C	Hydraulic housing made of cast iron
40	Nominal diameter [mm]
10	Max. delivery head [m]

Technical data

- Mains connection: 1~230 V, 50 Hz
- Submerged operating mode: S1 or S3 25%
- Non-immersed operating mode: S3 25 %
- Protection class: IP68
- Insulation class: F
- Thermal winding monitoring
- Max. fluid temperature: 3 - 40 °C
- Cable length: 5 m
- Free ball passage: 40 mm
- Max. immersion depth: 2 m

Special features/product advantages

- Easy operation due to the attached float switch
- Integrated pump support foot for easy installation
- Impeller made of plastic
- Lightweight

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Materials

- Pump housing: EN-GJL-200
- Pedestal: Stainless steel
- Impeller: PA 30GF
- Shaft: Stainless steel 1.4005
- Mechanical seal on pump side: Carbon/ceramic
- Shaft seal on motor side: NBR
- Static gasket: NBR
- Motor housing: Stainless steel 1.4308

Description/construction

Submersible sewage pump as submersible monobloc unit for stationary and portable wet well installation.

Hydraulics

The outlet on the pressure side is designed as vertical threaded connection Rp 1½.
Vortex impeller are used as the impeller shapes.

Motor

The oil-filled motors give off heat directly to the pumped fluid via an integrated heat exchanger. As a result, these motors can be used in immersed state for permanent and intermittent operation. In non-immersed state, these motors can be used for intermittent operation.

A sealing chamber protects the motor from fluid ingress. The filling fluid used is potentially biodegradable and environmentally safe.

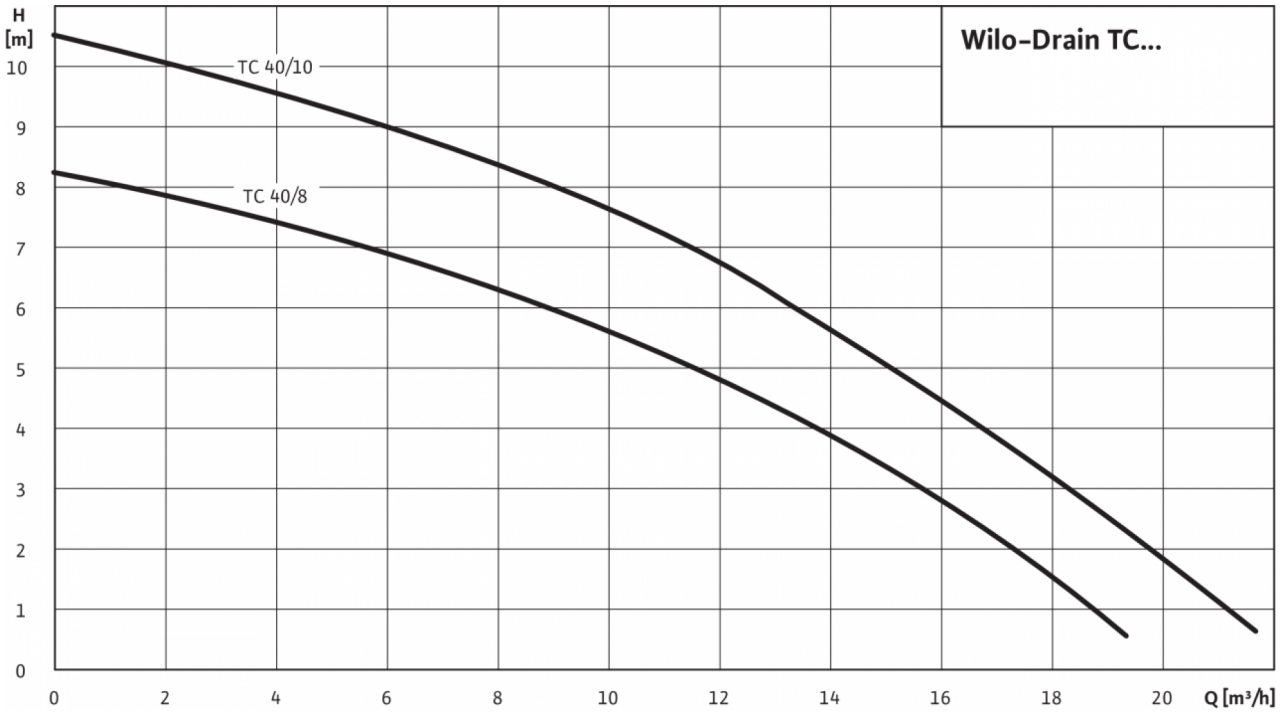
The motor cable and float switch can be detached and replaced.

Seal

Sealing on the fluid side is achieved by a bidirectional mechanical seal, while sealing on the motor side is achieved by a rotary shaft seal.

Duty chart: Wilo-Drain TC 40

Wilo-Drain TC 40



Product list: Wilo-Drain TC 40

Product description	Article number
Drain TC 40/8	4050131
Drain TC 40/10	4050132